

Notice of Allowability

Application No.

10/687,214

Examiner

ABUL K. AZAD

Applicant(s)

MOZER ET AL.

Art Unit

2654

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the communication filed on April 4, 2005.
2. ☒ The allowed claim(s) is/are 1-104.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

AK. AS
10/01/05

DETAILED ACTION

Response to Amendment

1. This action is in response to the communication filed on April 4, 2005.
2. Claims 1-104 are pending in this action.
3. The applicant has filed a Terminal Disclaimer, which has been considered.

Therefore, the Double Patenting Rejection set forth in the previous Office Action has been withdrawn.

Examiner's Amendment

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Chad Walsh (Reg. No. 43,235) on September 28, 2005.

The application has been amended as follows:

5. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is amended:

Speech recognition programming information retrieved from a remote source to a speech recognition system for performing a speech recognition method

6. **Claims 1, 8, 34, 44, 55, 56, 59, 73, 84, 95 and 96 are amended** as follows:

1. A speech recognition method comprising the steps of:

retrieving a first set of recognition programming information associated with a first recognition word set from a remote source external to a first system;

programming the first system with said retrieved recognition programming information to recognize a first set of spoken words in the first recognition word set, and in accordance therewith, generating a first set of recognition results in response [responsive] to said first set of words;

in response to the first set of recognition results, selectively retrieving from said remote external source a second set of recognition programming information associated with a second recognition word set, wherein the selectively retrieved second set of recognition programming information is selected based on the first set of recognition results; and

reprogramming the first system with said retrieved second set of recognition programming information to recognize a second set of spoken words in the second recognition word set.

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8. A speech recognition method comprising:
receiving from an external system first recognition information to recognize a first plurality of spoken words in a first system;
programming the first system with the first recognition information to recognize the first plurality of words;
generating first recognition results in response to receiving at least one of the first plurality of words in the first system;
receiving from the external system second recognition information to recognize a second plurality of spoken words, wherein the second recognition information is selected based on the first recognition results; and
programming the first system with the second recognition information to recognize at the second plurality of words.

34. A speech recognition method comprising:
supplying a first system with first information from an external source, the first information for recognizing a spoken utterance ~~from~~in a first limited set of candidate utterances;
programming the first system with the first information to recognize the first limited set of candidate utterances;
generating first results in response to receiving a spoken utterance ~~from~~in the first limited set of candidate utterances in the first system;
supplying the first system with second information from the external source, the second information for recognizing a spoken utterance ~~from~~in a second limited set of candidate utterances, wherein the second information is selected based on the first results; and
programming the first system with the second information to recognize the second limited set of candidate utterances.

44. A speech recognition method comprising:

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downloading first information to a first computer from a server, the first information including data to recognizing an utterance ~~from~~in a first limited set of candidate utterances;

programming the first computer with the first information to recognize the first limited set of candidate utterances;

receiving a spoken utterance ~~from~~in the first limited set of candidate utterances in the first computer,

generating first recognition results in response to receiving the spoken utterance;

downloading second information to the first computer from the server, the second information including data to recognizing an utterance ~~from~~in a second limited set of candidate utterances, wherein the second information is selected based on the first recognition results; and

programming the first computer with the second information to recognize the second limited set of candidate utterances.

55. The method of claim 44 further comprising prompting a user to input a spoken utterance ~~from~~in the first limited set of candidate utterances.

56. The method of claim 55 further comprising prompting a user to input a spoken utterance ~~from~~in the second limited set of candidate utterances.

59. A computer-readable storage medium including software for performing a speech recognition method, the method comprising:

receiving in a first system from a second system first recognition information to recognize a first plurality of spoken words;

programming the first system with the first recognition information to recognize the first plurality of words;

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generating first recognition results in response to receiving at least one of the first plurality of words in the first system;

receiving from the second system second recognition information to recognize a second plurality of spoken words, wherein the second recognition information is selected based on the first recognition results; and

programming the first system with the second recognition information to recognize a second plurality of words.

73. A computer-readable storage medium including software for performing a speech recognition method, the method comprising:

supplying a first system with first information from an external source, the first information for recognizing a spoken utterance ~~from~~in a first limited set of candidate utterances;

programming the first system with the first information to recognize the first limited set of candidate utterances;

generating first results in response to receiving a spoken utterance ~~from~~in the first limited set of candidate utterances in the first system;

supplying the first system with second information from the external source, the second information for recognizing a spoken utterance ~~from~~in a second limited set of candidate utterances, wherein the second information is selected based on the first results; and

programming the first system with the second information to recognize the second limited set of candidate utterances.

84. A computer-readable storage medium including software for performing a speech recognition method, the method comprising:

downloading first information to a first computer from a server, the first information including data to recognizing an utterance ~~from~~in a first limited set of candidate utterances;

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programming the first computer with the first information to recognize the first limited set of candidate utterances;

receiving a spoken utterance ~~from~~in the first limited set of candidate utterances in the first computer;

generating first recognition results in response to receiving the spoken utterance;

downloading second information to the first computer from the server, the second information including data to recognizing an utterance ~~from~~in a second limited set of candidate utterances, wherein the second information is selected based on the first recognition results; and

programming the first computer with the second information to recognize the second limited set of candidate utterances.

95. The method of claim 94 further comprising prompting a user to input a spoken utterance ~~from~~in the first limited set of candidate utterances.

96. The method of claim 95 further comprising prompting a user to input a spoken utterance ~~from~~in the second limited set of candidate utterances.

Allowable Subject Matter

7. Claims 1-104 are allowed over the prior art of record.
8. The following is an examiner's statement of reasons for allowance:

The applicant has enclosed § 131 Declaration in the Parent application 10/051838, demonstrates that the subject matter of claims 1-104, was conceived prior the November 14, 1996, the filing date of Uppaluru.

The applicant teaches a speech recognition method. The prior art of record fails to show or fairly suggest the claimed combinations of features. Particularly the prior art of record fails to teach or fairly suggest in combination with other features, selectively retrieving from a remote external source a second set of speech recognition programming information in response to first set of recognition results of first set of spoken words".

Regarding the prior art of record, Stanford et al. teach, "an instantaneous context switching speech recognition system is disclosed which enables a speech recognition application to be changed without loading new pattern matching data into the system. Selectively change the relationship between words and phonemes between a first application context and the pattern matching logic to a second application context and the pattern matching logic". However, Stanford fails to show or fairly suggest, "selectively retrieving from an external source a second set of recognition programming information based on first set of recognition results responsive to a first set of words". Therefore, claims 1-104 are allowed over the prior art of record.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Abul K. Azad** whose telephone number is **(571) 272-7599**. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richemond Dorvil**, can be reached at **(571) 272-7602**.

Any response to this action should be mailed to:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Or faxed to: **(571) 273-8300**.

Hand-delivered responses should be brought to **401 Dulany Street, Alexandria, VA-22314** (Customer Service Window).

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

October 1, 2005

Ak. Azad
10/01/05

Abul K. Azad
Primary Examiner
Art Unit 2654